



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

Reprint



C3-CV
Job Sheet 176879

5069155

Part No: C3-CV

Job Qty: 1 ea

Part Name: C3 to C3-K Conversion



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 5/2/18

Job Tracking No: RA218 SN: AC11009

Due Date: 5/14/18

Created By: Michelle Gagnon-Donovan

Type: Return

Description:

Note: DWG C3-K Rev 3 IPP Rev A 18.04.11 new issue DP Verify DD

Ship Via:

003581

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup	Run	Workcenter / Supplier	Lead Time	
100	Start up Operation	1 Ea		5/14/18	0.00	0.00	Start Up Small Fab-4		<i>SB</i>
110	Small Fab	1 pcs		5/14/18	0.00	1.00	Small Fab-9		
120	QC	1 pcs		5/14/18	0.00	0.00	QC5		
130	Customer Acceptance	1 pcs		5/14/18	0.00	0.00			
140	Outsource	1 pcs		5/14/18	0.00	0.00			
150	Packaging	1 pcs		5/14/18	0.00	0.00	Packaging2		
160	QC	1 pcs		5/14/18	0.00	0.00	QC6		
170	Small Fab	1 pcs		5/14/18	0.00	1.00	Small Fab-9		<i>AP</i>
180	QC	1 pcs		5/14/18	0.00	0.00	QC5		<i>SB</i>
185	DC	1 pcs		5/14/18	0.00	0.00	DC		<i>SB</i>
190	Packaging	1 pcs		5/14/18	0.00	0.00	Packaging3-2	<i>DAS</i>	<i>M.H.D.</i>
200	QC21-FG	1 Ea		5/14/18	0.00	0.00	QC21	<i>21</i>	<i>21</i>

Part Op 110 - 1-TEST ASSEMBLY. 2-DISASSEMBLE ASSEMBLY. 3-INSPECT DAMAGE PART. ***Note*** C3-4-A Load Beam, Descriptions: C3-13-4 Keeper and C3-13-5 Spring are to be discarded. Will be replaced with new components at sequence 170.

170 - RE-ASSEMBLE and replace parts discarded at sequence 110. ***All assembly to be done in accordance with manual*** TEST ASSEMBLY.

185 - Photocopy blue file and create labels

sold

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
C3-AR	C-Series Remote Hook 3,000 lbs Lift Capacity	1 Ea (1 ea)	100-Start up Operation	<i>50 38399</i>
188-FPSS-1032-1/4	Set Screw	2 Ea (2 ea)	170-Small Fab	
188-FSCS-832-5/8	Clock Spring Cover Screw	4 Ea (4 ea)	170-Small Fab	
2595K22	Heat Shrink Tube	1 pcs (1 ea)	170-Small Fab	
32446	Crimp Terminal	2 Ea (2 ea)	170-Small Fab	
8183K6	Wire Guide/Grip	1 Ea (1 ea)	170-Small Fab	
AN4-16A	Bolt	3 Ea (3 ea)	170-Small Fab	
AN4-17A	Bolt	1 Ea (1 ea)	170-Small Fab	
AN6-15A	Bolt	1 Ea (1 ea)	170-Small Fab	
AN960-10	Washer	1 Ea (1 ea)	170-Small Fab	
AN960-10L	Washer, #10	2 Ea (2 ea)	170-Small Fab	
AN960-416	Flat Washer Dia 1/4"	8 Ea (8 ea)	170-Small Fab	
AN960-616L	5/8" OD, THIN FLAT WASHER see NAS1149F0632P	2 Ea (2 ea)	170-Small Fab	
C2-1-1	Manual Release Knob	1 Ea (1 ea)	170-Small Fab	

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition			
				Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY			
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐
Past Expiry Date ☐	Manufacturing Process ☐				
Misidentified ☐	Past Due ☐	OTHER : _____			

C2-3-2	1	0	0	
C2-3-2-1	2	84	0	5056845
C2-3-3	1	19	0	
C2-3-3-1	1	22	0	
C2-3-5	2	86	0	
C2-3-6	1	0	0	
C2-3-8	2	26	0	
C2-5-1	1	40	0	
C3-10-2	1	23	0	5070352
C3-11-1	1	0	0	
C3-12-1	2	20	0	
C3-12-2	1	0	0	
C3-12-3	1	4	0	
C3-12-4	1	0	0	ES029267
C3-12-5	1	0	0	
C3-12-6	2.1	80	0	5072853
C3-13-1	2	49	0	
C3-13-4-2	1	0	0	ES029272
C3-2-1	1	0	0	
C3-3-4	2	30	0	
C3-3-4-1	1.2	130	0	5070542
C3-3-7	1	49	0	
C3-3-9	1	0	0	
C3-4-1	2	8	0	
C3-4-4KA	1	2	0	5068648
C3-7-1	1	3	0	
C3-7-2	2	22	0	
C3-8-2	1	0	0	
C3-8-4	1	0	0	
C3-8-5	1	0	0	
C3-9-1	1	0	0	
C3-9-2	1	0	0	
EL-PLUG-M	1	77	0	
M27500-16TG2T14	1	100	0	
MS21044N4	4	127	0	5061119
MS21083-N3	2	100	0	5026469 76011
MS21083N6	1	68	0	5036359
MS35266-63	1	61	0	

Part Specifications

Specifications could not be found.

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date : _____	Step #: _____	QTY Effective : _____		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : _____					



Remote Cargo Hook Test Form

C3

MAKE SURE YOU ARE USING THE CORRECT TEST FORM FOR THE CORRECT SOLENOID!

NEW SOLENOID (152951-001)

Work Order 176879

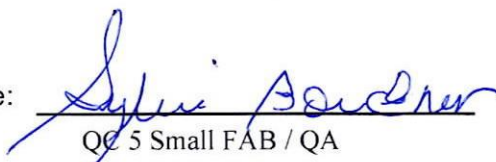
Customer _____

Serial Number AC11009

Date 2018/05/31

# of Releases	Load (Lbs.)	Release Method	Remarks	Result	Pass/Fail
1	7,500	Static Hold	Hold for two minutes and reduce load to zero	N/A	PASS
10	1,500	Electircal, 25 volts	No "hang ups" permitted	N/A	PASS
2	3,000	Electircal, 22 volts	Current shall not exceed 12.8 A	9.0 A	PASS
2	2,500	Electircal, 22 volts	Current shall not exceed 12.8 A	9.0 A	PASS
2	2,000	Electircal, 22 volts	Current shall not exceed 12.8 A	9.0 A	PASS
2	1,500	Electircal, 22 volts	Current shall not exceed 12.8 A	9.0 A	PASS
2	500	Electircal, 22 volts	Current shall not exceed 12.8 A	9.0 A	PASS
1	3,000	Electircal, 20 volts	Current shall not exceed 11.6 A	8.5 A	PASS
1	3,000	Electircal, 28 volts	Current shall not exceed 16.2 A	11.5 A	PASS
1	3,000	Manual		N/A	PASS
1	3,000	Impact Test	Impact shackle 10x, shall not release	N/A	PASS
1	N/A	Solenoid Ohms	Shall not exceed 1.7-2.0 Ω	2.0 Ω	PASS
1	N/A	Electircal Continuity	Across both wires	N/A	PASS

Test Conducted By: ALAN PATRY
Technician

Signature: 
QC 5 Small FAB / QA

Submit